

CLAIMS

What is claimed is:

- 1 1. A method for collecting data regarding network service operation, the
2 method comprising:
3 intercepting a message sent by a client and directed to a network service;
4 storing information about the message; and
5 transmitting the message to a destination network service.
- 1 2. The method of claim 1, wherein intercepting a message sent by a client
2 comprises intercepting a message sent by a network service acting in the capacity of a
3 client.
- 1 3. The method of claim 1, wherein intercepting a message comprises
2 intercepting a message using a message handler that is called by the client.
- 1 4. The method of claim 1, wherein storing information about the message
2 comprises storing information about the message using the message handler that is
3 called by the client.
- 1 5. The method of claim 4, wherein storing information about the message
2 comprises storing information about at least one of a session identification, a source
3 name of the sender of the message, a message type, a destination name of the intended
4 recipient, a request sent time, and substance of the message.

1 6. The method of claim 1, further comprising interjecting instrumentation
2 information into the message prior to transmitting the message to the destination
3 network service.

1 7. The method of claim 6, wherein interjecting instrumentation
2 information comprises interjecting instrumentation information using a message
3 handler that is called by the client.

1 8. The method of claim 7, wherein interjecting instrumentation
2 information comprises adding instrumentation information to a header of the message.

1 9. The method of claim 7, wherein interjecting instrumentation
2 information comprises interjecting at least one of a session identification, a source
3 name of the sender of the message, a message type, a destination name of the intended
4 recipient, and a request sent time.

1 10. The method of claim 1, further comprising receiving a response from
2 the destination network service and storing data regarding the response.

1 11. The method of claim 10, wherein storing data regarding the response
2 comprises storing data using a message handler that is called by the client.

1 12. The method of claim 10, wherein storing data regarding the response
2 comprises storing at least one of a session identification, a source name of the sender
3 of the message, a message type, a destination name of the intended recipient, a request
4 received time, a response sent time, and a response received time.

1 13. A method for collecting data regarding network service operation, the
2 method comprising:
3 receiving a request from a client;
4 intercepting a message sent by a network service and directed to the client;
5 storing information about the message; and
6 transmitting the message to the client.

1 14. The method of claim 13, wherein intercepting a message comprises
2 intercepting a message using a message handler that is called by the network service
3 and wherein storing information about the message comprises storing information
4 about the message using the message handler.

1 15. The method of claim 14, wherein storing information about the
2 message comprises storing information about at least one of a session identification, a
3 source name of the sender of the message, a message type, a destination name of the
4 intended recipient, a request received time, a response sent time, and substance of the
5 message.

1 16. The method of claim 13, further comprising interjecting
2 instrumentation information into the message prior to transmitting the message to the
3 client using a message handler that is called by the network service.

1 17. The method of claim 16, wherein interjecting instrumentation
2 information comprises interjecting at least one of a session identification, a source
3 name of the sender of the message, a message type, a destination name of the intended
4 recipient, a request received time, a response sent time, and substance of the message.

1 18. A system for collecting data regarding network service operation, the
2 system comprising:

3 means for intercepting a message sent by a client and directed to a network
4 service;

5 means for storing information about the message;

6 means for interjecting instrumentation information into the message; and

7 means for transmitting the instrumented message to a destination network
8 service.

1 19. The system of claim 18, wherein the means for intercepting a message,
2 for storing information, for interjecting instrumentation, and for transmitting comprise
3 a message handler that is called by the client.

1 20. The system of claim 19, wherein the message handler is configured to
2 store at least one of a session identification, a source name of the sender of the message,
3 a message type, a destination name of the intended recipient, a request sent time, and
4 substance of the message.

1 21. The system of claim 19, wherein the message handler is configured to
2 interject at least one of a session identification, a source name of the sender of the
3 message, a message type, a destination name of the intended recipient, and a request
4 sent time.

1 22. The system of claim 19, wherein the message handler is configured to
2 receive a response from the destination network service and store data regarding the
3 response.

1 23. The system of claim 22, wherein the message handler is configured to
2 store, in relation to the received response, at least one of a session identification, a
3 source name of the sender of the message, a message type, a destination name of the
4 intended recipient, a request received time, a response sent time, and a response
5 received time.

1 24. The system of claim 19, wherein the message handler is a simple object
2 access protocol (SOAP) message handler.

1 25. A message handler stored on a computer-readable medium, the handler
2 comprising:
3 logic configured to intercept messages sent by a client and directed to a
4 network service;
5 logic configured to store information about the message; and
6 logic configured to transmit the message to a network service.

1 26. The message handler of claim 25, wherein the logic configured to store
2 information about the message comprises logic configured to store information about
3 at least one of a session identification, a source name of the sender of the message, a
4 message type, a destination name of the intended recipient, a request sent time, and
5 substance of the message.

1 27. The message handler of claim 25, further comprising logic configured
2 to interject instrumentation information into the message.

1 28. The message handler of claim 27, wherein the logic configured to
2 interject instrumentation information comprises logic configured to interject at least
3 one of a session identification, a source name of the sender of the message, a message
4 type, a destination name of the intended recipient, and a request sent time.

1 29. The message handler of claim 25, further comprising logic configured
2 to receive a response from the destination network service and logic configured to
3 store data regarding the response, the data regarding the response comprising at least
4 one of a session identification, a source name of the sender of the message, a message
5 type, a destination name of the intended recipient, a request received time, a response
6 sent time, and a response received time.

1 30. The message handler of claim 25, wherein the handler is a
2 simpleobject access protocol (SOAP) message handler.

1 31. A system, comprising:
2 a network service comprising an application program interface (API) that is
3 configured to call a message handler; and
4 a message handler that is called by the API, the message handler being
5 configured to intercept requests sent by the network service and directed to a
6 supporting network service, to store information about the request, to interject
7 information into the request, to transmit the message to the supporting network
8 service, to receive a response from the supporting network service, and to store
9 information about the response.

1 32. The system of claim 31, wherein the message handler is configured to,
2 in regard to the request, store information about at least one of a session identification,
3 a source name of the sender of the message, a message type, a destination name of the
4 intended recipient, a request sent time, and substance of the message.

1 33. The system of claim 31, wherein the message handler is configured to,
2 in regard to the response, store information about a session identification, a source
3 name of the sender of the message, a message type, a destination name of the intended
4 recipient, a request received time, a response sent time, and a response received time.

1 34. The system of claim 31, wherein the message handler is a simple object
2 access protocol (SOAP) message handler.